

Milko
for Large Ensemble
in polytempic polymicrotonality

Peter Thoenes

2013-2016

Legend

The percussion will be playing the midi controlled MalletKat and a synthesizer capable of 84tet, that is 84 divisions of the octave; MalletKats will also play various percussion samples and drumset. Players are free to change to any samples they wish.

The headphone feed will contain a drumset based click track that maintains the tempo for each family: winds, brass, cello, and of course, percussion itself. The tempi can also be delivered via MaxMSP, provided a member of the group or sound reinforcement permits its use.

Each family is responsible for their own tuning and an electronic tuner is always advisable. The different instrumental families will also switch for brief forays into the other tunings, but these sections are brief. Therefore all families will investigate sixth, eighth, tenth, and fourteenth tone temperaments.

The flute multiphonics at m. 170- is designed to begin over-blowing on the D = +60 cents and for the upper partials please attempt as many as possible as they are “caught” and performed.

Some of the percussion are given ordinary patterns in order to encourage improvisation, provided it's done tastefully and colorfully.

The cents will be numbered above the note heads and the cents indication will remain constant until changed; the notes following the cents indication will remain until changed.

Percussion must find a thunder sheet.

Polymicrotonal Legend

all pitches indicated with cents number above pitch head

Woodwinds: 36tet = 33 cents; three shades per semitone

1/1, +33, +66, + 99; -33, -66, -99 cents

Brass: 48tet = 25 cents; four shades per semitone

1/1, +25, +50, +75, +100 (sharp); -25, -50, -75, -100 (flat)

Cello: 60tet = 20 cents; five shades per semitone

1/1, +20, +40, +60, +80, +100 (sharp); -20, -40, -60, -80, -100 (flat)

Percussion: 84tet = 14 cents; seven shades per semitone

1/1, +14, + 28, +42, +56, +70, +84, +98; -14, -28, -42, -56, -70, -84, -98

Percussion is recommended to use the MalletKat and a programmable synthesizer that can manage the tuning.

No Vibrato, ever

Milko

A Polytempic Polymicrotonal Work for Large Chamber Ensemble

Peter Thoegersen

Intro

36 Tet

48 Tet

60 Tet

84 Tet

[illegible]

[illegible]

The image displays a page from a musical score titled "Das erste Thema". The score is written for a large ensemble, including woodwinds, brass, strings, and percussion. The instruments listed on the left are Fl. (Flute), Ob. (Oboe), B♭ Cl. (B-flat Clarinet), Bsn. (Bassoon), Hn. (Horn), C Tpt. 1 (C Trumpet 1), C Tpt. 2 (C Trumpet 2), Tbn. (Trombone), Vc. (Violoncello), Vib. (Vibraphone), Xyl. (Xylophone), and Mrb. (Mallets). The score is divided into measures, with some measures containing multiple staves for different instruments. The notation includes various musical symbols such as notes, rests, and dynamic markings (e.g., *ff*, *pp*, *f*, *mf*, *mp*). There are also performance instructions like "Sul G" and "Leo." (likely referring to a specific instrument or section). The score is written in a standard musical notation style, with a key signature of one sharp (F#) and a time signature of 4/4. The page number "9" is visible in the top left corner.

Fl.

12

+33

mf

+66

ff

+33

fff

Ob.

+33

mf

+66

ff

fff

B♭ Cl.

+33

mf

+66

ff

fff

Bsn.

+33

mf

+66

ff

fff

Hn.

+33

mf

+66

ff

fff

C Tpt. 1

14

+25

mf

-25

-50

ff

1/1

ff

C Tpt. 2

+25

mf

-25

-50

ff

1/1

ff

Tbn.

+25

mf

-25

-50

ff

1/1

ff

Vc.

17

+40

f

-20

+40

ff

+20

+60

-80

-20

fff

1/1

fff

Vib.

23

+14

mp

-70

+14

-84

+14

ff

+70

+56

fff

Xyl.

+14

mp

-70

+14

-84

+14

ff

+70

+56

fff

Mrb.

+14

mp

-70

+14

-84

+14

ff

+70

+56

fff

15 *l'istesso tempo*

Das zweite Thema

l'istesso tempo

Measures 15-30 of the musical score. The instrumentation includes Flute (Fl.), Oboe (Ob.), B♭ Clarinet (B♭ Cl.), Bassoon (Bsn.), Horn (Hn.), C Trumpet 1 (C Tpt. 1), C Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Violoncello (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Maracas (Mrb.). The score features various dynamics such as *mf*, *f*, *ff*, *p*, and *mp*. Performance instructions include "soft mallets" for the vibraphone and xylophone, and "Sul D" for the cello. Fingerings are indicated by numbers 1-5. Rehearsal marks (+66, -33, +25, etc.) and first endings (1/1) are present.

18 -99

Fl. *p* 3

Ob. +33 6:4 3 -33 10:8 *mp* *f* *ppp*

B♭ Cl. *f* 5:4 3 5 5:3

Bsn. *p* +99 18 *mf* *fff*

Hn. +99 *fz* 6 *fz* *fz*

C Tpt. 1 22 *p* +75 +50 +50 -25 -50 *f* +50 *ff*

C Tpt. 2

Tbn. +50 *f*

Vc. 27 8va +20 +40 -60 +20 +40 -60 +20 +40 -60 +20 +40 -60 +20 +40 -60 +20 *p* *ff*

Vib. 37 +28 7 -70 7

Xyl. +70 7 *mp* *mf* -28 7 *f*

Mrb. -70 7 *p* +14 7 *mf* -42 7 *ff*

21 +99 5 5 5 1/1 5 5 -33 5 5

Fl. *f* 3 *mf* 3 *f* 3

Ob. - - - - -

B♭ Cl. - - - - -

Bsn. - - - - -

Hn. +33 55:22 *mf* 3 *fff* -33 +66 11:8 10:8 3 +33 6 *mf* +66 *fff*

C Tpt. 1 26 1/1 +25 *mf* -25 *mp* +50 *f* +75 3 3 3 3 *f*

C Tpt. 2 - - - - -

Tbn. - - - - -

Vc. 32 +20 5 +40 5 -20 *mf* 5 -60 *ff* 5 +60 *f* 5

Vib. 44 -70 7 -84 7 +70 7 7 7 7 7 7 +28 7 +42 7 7 7 7 7 7 +14 *ff*

Xyl. - - - - -

Mrb. - - - - -

8

Milko

24

Fl.

mf

Ob.

mf

B♭ Cl.

mf

Bsn.

mf

Hn.

mf

C Tpt. 1

mf

C Tpt. 2

Tbn.

mf

Vc.

mf

Vib.

mf

Xyl.

mf

Mrb.

mf

31

36 Tet Wind Quintet

Milko

Score for 36 Tet Wind Quintet, Milko, page 9. The score includes parts for Flute (Fl.), Oboe (Ob.), B♭ Clarinet (B♭ Cl.), Bassoon (Bsn.), Horn (Hn.), C Trumpet 1 (C Tpt. 1), C Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Voice (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Mallets (Mrb.).

Tempo: $\bullet = 40$. Performance markings include *mf*, *f*, *ff*, and *rallentando*.

Measure numbers 27, 34, 42, and 58 are indicated at the start of their respective staves.

Key performance details for the first staff (Fl.):

- Measures 27-33: *mf*, 1/1, +33 (3), -33, +66, +33 (3), -33, -66, 1/1 (3).
- Measures 34-41: *f*, +33, +66, -33 (3).
- Measures 42-49: *ff*, +33, -14, *rallentando*.

Key performance details for the second staff (Ob.):

- Measures 27-33: *mf*, 1/1, -33 (3), -66.
- Measures 34-41: *f*, -33, -66 (3).
- Measures 42-49: *ff*, 1/1, +33 (3), +66.

Key performance details for the third staff (B♭ Cl.):

- Measures 27-33: *mf*, +33, +66, -33, 15.
- Measures 34-41: *f*, +33, +66, -33, 15.
- Measures 42-49: *ff*, -99.

Key performance details for the fourth staff (Bsn.):

- Measures 27-33: *mf*, +33.
- Measures 34-41: *f*, +66.
- Measures 42-49: *ff*, -33.

Key performance details for the fifth staff (Hn.):

- Measures 27-33: *mf*, +33, 5, +66, 7, 3.
- Measures 34-41: *f*, +66, +33, 6:4, -66, 9:8.
- Measures 42-49: *ff*.

Measures 34, 42, and 58 are marked with a repeat sign and a double bar line, indicating the end of a section or a measure rest.

• = 20 *a tempo*

33 +33 3 +66 -33 +99 -33

Fl. *mf* *ff* *fff* *fff*

Ob. *mf* 1/1 *ff* *fff*

B♭ Cl. +66 +66 +33 3 1/1 -33 +33 *ff*

Bsn. 3 *mf* +66 +33 -33 3 -66 *ff* +66

Hn. *mf* +33 -33 -66 +33 +66 3 *ff*

C Tpt. 1 37 +25 *mf* *f* -25 *mp*

C Tpt. 2 -25 *mf* *f* 3 3 3 -25 -75 *mp*

Tbn. -75 *mf* *f* -25 +25 *mp*

Vc. *a tempo* *sul pont* -60 *p* -80 *f*

Vib. 61 +14 +28 +42 +56 -28 -70 -28

Xyl. *mf* -14 +56 +14

Mrb. -28 +28 *mf*

36

Fl. *mf* *fff* *ff* *ff*

Ob. *mf* *fff* *f* *fff*

B♭ Cl. *mp* *f* *ff* *fff*

Bsn. *mf* *f* *fff* *ff*

Hn. *mf* *f* *ff* *fff*

C Tpt. 1 *f* *ff* *fff*

C Tpt. 2 *f* *ff* *fff*

Tbn. *f* *ff* *fff*

Vc. *mf* *f* *ff*

Cym. 68 splash, china, and other cymbals

T.Dr. *sundry percussion, tenor drum, etc.*

T. Bl. *temple blocks*

Fl.

39

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt. 1

45

C Tpt. 2

Tbn.

Vc.

55

Cym.

75

T.Dr.

T. Bl.

42

Fl.

-33

Ob.

+33

B♭ Cl.

-66

Bsn.

+33

Hn.

49

C Tpt. 1

-50

C Tpt. 2

1/1

Tbn.

60

Vc.

82

Cym.

T.Dr.

T. Bl.

Milko

Milko

The musical score for "The Fire of Love" by John Williams is presented in a standard orchestral format. The score is in 4/4 time and consists of 10 measures. The instruments included are Flute, Oboe, B♭ Clarinet, Bassoon, Horn, Trumpet 1, Trumpet 2, Trombone, Violin, Cymbal, Snare Drum, and Tuba. The vocal soloist is a Soprano. The score includes various musical notations such as notes, rests, dynamics, and articulations.

Measure 1: Flute (48) plays a melodic line with dynamics *mf* and *f*. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *mf* and *p*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 2: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *p* and *f*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 3: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *f* and *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 4: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 5: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 6: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 7: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 8: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 9: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

Measure 10: Flute (48) continues its melodic line. Oboe (Ob.) and B♭ Clarinet (B♭ Cl.) are silent. Bassoon (Bsn.) and Horn (Hn.) play a low, sustained note. Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), and Trombone (Tbn.) are silent. Violin (Vc.) plays a sustained note with dynamics *fff*. Cymbal (Cym.) plays a rhythmic pattern with dynamics *mp*. Snare Drum (T.Dr.) and Tuba (T. Bl.) are silent.

51

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

• = 53

Short Brass Solo

un poco rubato

61

C Tpt. 1

-25

f

ppp

+50

ff

pp

f

mp

pp

fz

follow contour of this gliss

1/1

+50

-50

+50

-75

1/1

-50

+50

C Tpt. 2

mf

con sordino

-25

mf

ppp

+50

f

pp

f

1/1

follow contour of this gliss

+50

-50

3

+50

-50

-25

+50

Tbn.

mf

ff

f

ff

+50

-50

+50

f

pp

75

Vc.

103

Cym.

T.Dr.

T. Bl.

Milko

Miklo

♩ = 72, *Larghetto*

54 +33 1/1 -33 3 -66 +99 +33 +33 -66

Fl. *mp* *mf* *f*

Ob.

B♭ Cl.

Bsn.

Hn.

65 = 64 *con sordino* -25 +25 +50 -50 -75 +75 +25 3 3 -25 3 3

C Tpt. 1 *mp* *mf* *mp* *f*

C Tpt. 2

Tbn.

80 pentuplet = 92 +40 5 -80 +20 5 +40 5 +60 3 3 3 3 3

Vc. *f* *mf* *ff*

107 septuplet = 164 +14 7 +28 7 -70 7 +56 7 -28 7 +14 -42 -28 -42 7 -14

Vib. *pp* *p* *mf* *f*

T.Dr.

T. Bl.

57 1/1 +33 +66 3 -33 -66 -99 +33 +66 3 -33 +66 3

Fl. *mf* *f* *ff*

Ob.

B♭ Cl.

Bsn.

Hn.

69 +25 -25 -25 +50 +25 +25 +75

C Tpt. 1 *mf* *f*

C Tpt. 2

Tbn.

85 +80 +20 +40 +20 +20 +20 +20

Vc. *f* *ff*

114 +14 -14 -28 +28 +56 -42 -28 +56 +14 -28 +56 +14 +70 +56 +14

Vib. *mp* *mf* *ff* four mallets

T.Dr.

T. Bl.

60

1/1

+33

+66

3

+99

-66

-66

-33

1/1

+33

+66

+99

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

73

-75

-25

+25

-25

+50

-50

+75

+50

C Tpt. 1

C Tpt. 2

Tbn.

90

-20

-40

-60

-80

Vc.

121

+14

+28

+56

-56

-42

-70

-84

Vib.

T.Dr.

T. Bl.

Milko

[illegible]

66 +66

Fl. *f*

Ob. *ff* +66 -66 3 3

B♭ Cl. *mf* -33 5 3 +66 10

Bsn.

Hn.

C Tpt. 1 *fff* 81 +75 -25 +25 -25 +50 7 -25 +50 -50

C Tpt. 2

Tbn.

Vc. *fff* 100 -20 1/1 +20 *ppp* -40 +40 *p* -20 +20 *mf*

Vib. 135 1/1 14 15 *pp* *mp* 11 +56 -70 *mf* -28 +14 *f*

T.Dr.

T. Bl.

Tempo Rubato--entirely up to flautist

22 *Tempo Rubato--entirely up to flautist*

Fl. 69 ⁺³³ ⁺⁶⁶ ⁻³³ ⁻⁶⁶ ⁺⁹⁹ *sfz* *ppp* *fff* *11* ,

Milko ⁺³³ *f* *fz* *sfz* *fffz* *pppp* ⁻³³ ⁺⁶⁶ ⁺³³ ⁻⁶⁶ ⁺³³ *molto rubato* *fff* ⁺⁶⁶ ⁻⁶⁶

Ob. 85

B \flat Cl. 105

Bsn. 142

Hn. 142

C Tpt. 1 142

C Tpt. 2 142

Tbn. 142

Vc. 142

Vib. 142

T.Dr. 142

T. Bl. 142

72 *bend pitch* +33 -33 +66 -33 *sfz* *fz* *fz* *p* *accelerando* +33 *fff* +66 *mp* 3 3 *fff* +33

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt. 1

C Tpt. 2

Tbn.

Vc. 108

Vib. 145

T.Dr.

T. Bl.

Milko

[illegible]

Milko

78 $\bullet = 67$ *60 Tet TUTTI*

Fl. *f* *mp* *mf* *f* *ff*

Ob. *f* *mf* *f* *ff*

B \flat Cl. *f* *f*

Bsn. *f* *ff*

Hn. *f* *mp* *mf* *f* *ff*

C Tpt. 1 *mf* *ff*

C Tpt. 2 *mf* *ff*

Tbn. *mf* *ff*

Vc. *f* *pp* *fff*

Vib. *mf* *mp*

Xyl. *mf* *mp*

Mrb. *mf* *mp*

115 *60 Tet Tutte*

155 $\bullet = 67$ *60 Tet TUTTI*

5:4 measures

5:4 measures

4:3 measures

Milko

84 Tet

99 +66 +33 -33

Fl. *mf*

Ob.

B♭ Cl.

Bsn.

Hn.

116 +25 +75 -25 -75 -25 -50 +25 +50 +50 -75

C Tpt. 1 *mf*

C Tpt. 2

1/1 -25 -50

Tbn. *mp*

138 +20 +40 5 -20 -40 +40 -80

Vc. *mf* *mp* *f* *ff*

171

Vib.

-28 +14 +28 -14 -70 -42 +56 -84 +14

Xyl. *mf* *ff*

Mrb.

This musical score is for 'The Firebird' by Igor Stravinsky, specifically the section from measures 102 to 184. The score is arranged for a full orchestra and includes the following parts:

- Flute (Fl.):** Features melodic lines with trills and grace notes, marked *mf* and *f*.
- Oboe (Ob.):** Remains silent in this section.
- B♭ Clarinet (B♭ Cl.):** Plays a sustained note with a trill, marked *mp* and *ff*.
- Bassoon (Bsn.):** Remains silent in this section.
- Horn (Hn.):** Remains silent in this section.
- Cornet 1 (C Tpt. 1):** Remains silent in this section.
- Cornet 2 (C Tpt. 2):** Plays a melodic line with trills and grace notes, marked *mp* and *f*.
- Trombone (Tbn.):** Remains silent in this section.
- Violoncello (Vc.):** Plays a melodic line with trills and grace notes, marked *f* and *ff*.
- Vibraphone (Vib.):** Plays a melodic line with trills and grace notes, marked *mp* and *f*.
- Xylophone (Xyl.):** Plays a melodic line with trills and grace notes, marked *mp* and *f*.
- Mallets (Mrb.):** Plays a melodic line with trills and grace notes, marked *mp* and *f*.

The score includes various musical notations such as trills, grace notes, and dynamic markings (*mf*, *f*, *mp*, *ff*). The tempo is marked 'Allegretto' and the key signature is one flat (B♭).

105 +33 +66 3 -33 5

Fl. *ff* 5

Ob. *ff* 7 3 5 9

B♭ Cl. *fff*

Bsn. *mf* -33

Hn. *mf*

124 +25

C Tpt. 1 *mp*

C Tpt. 2

Tbn. +50 *mf* -50 1/1 3 +50 *f* +25 *ff* 5 5 +50

148

Vc.

185 -70 +14 -28 +28 -14 -28 +14

Vib. *f* 5 *mf* *ff* *mf*

Xyl. *f* 11

Mrb.

108

Fl.

Ob.

B♭ Cl.

-33

+66

+33

-66

1/1

Bsn.

-32

+33

+66

-66

Hn.

+33

+66

3

+99

C Tpt. 1

C Tpt. 2

+25

-25

3

tr

-25

-50

-25

-50

3

-25

3

+25

3

Tbn.

-25

3

1/1

3

3

3

Vc.

Vib.

192

+56

3

7

3

+14

mf

+14

-42

Xyl.

-28

mf

Mrb.

7

p

mf

-28

+56

+70

+28

8

mf

32

Milko

32

Fl. *mf* *p* *mf* *f* *fast as possible*

Ob. *fz* *p* *fff*

B♭ Cl.

Bsn. *mf*

Hn.

C Tpt. 1 *mp*

C Tpt. 2

Tbn. *mf* *f* *ff*

Vc.

Vib. *mf*

Xyl. *f*

Mrb. *mf*

[illegible]

117

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

140

C Tpt. 1

C Tpt. 2

Tbn.

168

Vc.

213

Vib.

Moderato con moto

DRUMS

♩ = 106

D. S.

f

mf

sf

Mrb.

84 Tet

Mrb.

130

Fl.

Ob.

B \flat Cl.

Bsn.

Hn.

153

C Tpt. 1

C Tpt. 2

Tbn.

181

Vc.

226

Vib.

mf

espress.

f

mp

fff

mf

fff

Xyl.

f

mp

fff

mf

fff

Mrb.

f

mp

fff

mf

fff

+14

+56

-28

+14

+56

-28

+14

+70

13

13

13

-28

3

3

3

3

-28

3

3

3

3

8:7

+14

7

+14

7

+14

7

8:7

8:7

8:7

7

7

7

56

56

56

Polytempic Tutti

Milko

Molto Largo

Fl. *ff* 138 *+33* *+66* *+99* *-33*

Ob. *ff* *+33* *15*

B♭ Cl. *f* *+33* *-33* *27* *+66*

Bsn. *ff* *+66* *+33* *3* *-33*

Hn. *f* *+33*

C Tpt. 1 *mf* *+50* *+25* *-25* *ff* *"doit"* *sffz*

C Tpt. 2 *mf* *-25* *+75* *ff* *"doit"* *sffz*

Tbn. *mf* *+25* *-75* *-25* *1/1* *ff* *"doit"* *sffz*

Vc. *f* *pentuplet = 92* *189* *+20* *-5* *+40* *-60* *ff* *-60* *+20* *+40* *9:2* *fff* *mf* *+40* *♯♭ +20* *♯♭ +40* *mp*

Vib. 234

Xyl.

Mrb.

a tempo

141 +33 +66 1/1 +33 -33 +33 +66 -33 +66 -66

Fl. *f* *fff* 27

Ob. *f* +66 +33 -66 *mf* +33 3 +99 *f* -33 *p*

B♭ Cl. *f* +33

Bsn. *f* -33 1/1 +66 -33 15 +99 -99 *mf* +33 +66 *ff* -33 *f* -66 *fz*

Hn. *f* +66 27

C Tpt. 1 *a tempo* "fall" +50 *fz* *mf* 1/1 *ff* *mp* *ff* *p* *mp* +50 *mf*

C Tpt. 2 "fall" +50 *fz* -25 *mf* +75

Tbn. "fall" +50 *fz* -25 *p* +25 *mf*

Vc. +20 *a tempo* 194 *mp* 11:3 -20 3 3 3 +40 5 3 +60 +20 *mp* *fz* +40 *f*

Vib. 238 *a tempo* = 84 +56 -42

Xyl. *mp* +42 *f* -56

Mrb. +14 7 7 7 *mf*

Milko

Milko

144

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt. 1

C Tpt. 2

Tbn.

Vc.

Vib.

Xyl.

Mrb.

169

245

long hold

1/1

no tremolo

39

40

$\text{♩} = 72, \text{Larghetto}$
pale harmonic
+33

Milko

pale harmonic

+66

Fl. *p* 148

Ob. *p* 21 -33

B♭ Cl. *p* 8^{va} +66 21

Bsn. -33 *ppp* 21

Hn. +66 *lontano* *p* *mf* 21

C Tpt. 1 *a tempo* 174 *con sordino* +25 -25 *mf* *f* "fall" -25 *p* "doit" +25 *fz*

C Tpt. 2 *con sordino* +50 *fz* *sf* "fall" +75 *fz* +75 +50 *mp* +25 *p*

Tbn. *con sordino* -50 *mf* "fall" +50 *fz* -75 *mp* +50

Vc. *pentuplet = 92* 205 5 *p* +40 *sul pont* *mf* +60 *ff*

Vib. *septuplet = 164* 250 -42 *mf* 7 +14 *fz* +28 *f*

Xyl. -28 *p* 5 +14 *mp* 7 +14 *fz* +28 *f* +14 *p* 7

Mrb. +28 *mf* 7 +14 *fz* +28 *f* +14 *p* 7

151

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

178

C Tpt. 1

C Tpt. 2

Tbn.

210

Vc.

257

Vib.

Xyl.

Mrb.

The image displays a page from a musical score, likely for a symphony orchestra. The page is numbered 154 at the top left. The score is written for various instruments, including Flute (Fl.), Oboe (Ob.), B♭ Clarinet (B♭ Cl.), Bassoon (Bsn.), Horn (Hn.), C Trumpet 1 (C Tpt. 1), C Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Violoncello (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Maracas (Mrb.).

The score is divided into three main sections, each marked with a measure number and a tempo/meter indication: 154 (1"), 182 (2"), and 216 (3"). The tempo/meter indication is "Senza Misura" (Ad libitum). The score includes various dynamic markings (e.g., *mp*, *mf*, *f*, *pp*, *p*) and articulation marks (e.g., accents, staccato). There are also performance instructions such as "sul pont" (sul ponticello) and "light bow pressure".

The score is written for various instruments, including Flute (Fl.), Oboe (Ob.), B♭ Clarinet (B♭ Cl.), Bassoon (Bsn.), Horn (Hn.), C Trumpet 1 (C Tpt. 1), C Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Violoncello (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Maracas (Mrb.).

The score is divided into three main sections, each marked with a measure number and a tempo/meter indication: 154 (1"), 182 (2"), and 216 (3"). The tempo/meter indication is "Senza Misura" (Ad libitum). The score includes various dynamic markings (e.g., *mp*, *mf*, *f*, *pp*, *p*) and articulation marks (e.g., accents, staccato). There are also performance instructions such as "sul pont" (sul ponticello) and "light bow pressure".

15" 159 +66 18" 21" 24" 27" 30" 33" 1/1 36"

Fl. *ff* *f* *f*

Ob. *ff* *f* *mf* *mp* *mf* *f*

B♭ Cl. *ff* *f* *f*

Bsn. *ff* *mf* *f*

Hn. *ff* *mf* *p* *mf* *f* *ff* *f*

187 C Tpt. 1 *ff* *pp* *ff* *f*

C Tpt. 2 *ff* *f* *f*

Tbn. *f* *mf* *ff* *f* *fff* *f*

15" 221 +60 -60 18" -80 -40 21" -20 24" +80 +60 -20 27" -60 30" 33" ord. 36" Open

Vc. *mf* *mp* *p* *mf* *mp* *mf* *ff*

15" 269 18" 21" 24" -14 27" +56 30" 33" 36"

Vib. *p* *ff* *mp* *f* *ff*

Xyl. *pp* *ff* *f* *ff*

Mrb. *ppp* *fff* *ff* *f* *ff*

36" 39" 42" 45" 48" 51" 54" 57"

166

Fl. *p* *p* *pp* *p*

Ob. *p* *p* *pp* *p*

B♭ Cl. *p* *pp* *p*

Bsn. *pp* *p* *p* *pp* *p*

Hn. *p* *p*

C Tpt. 1 *ppp* *pp* *mp* *f* *pppp*

C Tpt. 2 *ppp* *pp* *mp* *f* *pppp*

Tbn. *ppp* *pp* *mp* *f* *pppp*

Vc. *p* *mp* *p* *pp* *p* *p*

228

Vib. *p* *f* *ff* *pp* *ppp* *fff*

Xyl. *p* *f* *ff* *pp* *ppp* *fff*

Mrb. *p* *f* *ff* *pp* *ppp* *fff*

194 *con sordino* +75 39" -25 42" +50 45" +25 48" +75 51" -25 54" 57"

276 36" 39" 42" 45" 48" 51" 54" 57"

+42 -14 +28 +42 +70 +14 -70 -84 -14 -42 +28 +56 -70 +14 -84

sul tasto +40 +20 45" *pale harmonic Sul D* 48" +20 51" -20 54" *open c string harmonic*

Largo con moto

Milko

45

The image displays a page from a musical score, likely for a symphony orchestra. The score is written for various instruments, including Flute (Fl.), Oboe (Ob.), Bassoon (Bsn.), Horn (Hn.), Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Violoncello (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Mallets (Mrb.).

The score is divided into measures, with time signatures and tempo markings. Key markings include:

- Tempo/Character:** *Largo, ma con Moto* and *Largo con moto*.
- Performance Instructions:** *senza sordino* (without mute).
- Dynamics:** *p* (piano), *mf* (mezzo-forte), *f* (forte), *ffz* (fortissimo with accent), and *fff* (fortississimo).
- Articulation:** *tr* (trill), *acc* (accent), and *sfz* (sforzando).
- Rehearsal Marks:** Indicated by double bar lines and measure numbers (e.g., 173, 200, 235, 283).
- Measure Numbers:** 173, 200, 235, 283.
- Time Signatures:** 4/4, 3/4, 2/4.
- Key Signatures:** C major, D major, E major, F major, G major, A major, B major, C minor, D minor, E minor, F minor, G minor, A minor, B minor.

The score is written for various instruments, including Flute (Fl.), Oboe (Ob.), Bassoon (Bsn.), Horn (Hn.), Trumpet 1 (C Tpt. 1), Trumpet 2 (C Tpt. 2), Trombone (Tbn.), Violoncello (Vc.), Vibraphone (Vib.), Xylophone (Xyl.), and Mallets (Mrb.).

Milko

191

Fl. *mf* *ff* *ff* *fff* *f* *f* *fff*

Ob.

B♭ Cl.

Bsn.

Hn. *mp* *p* *pp* *mp*

219

C Tpt. 1 *ff* *f* *mf* *ff* *mf* *fff*

C Tpt. 2 *f* *ff* *f* *mf* *fff* *ppp* *fff*

Tbn.

248

Vc.

298

Vib.

D. S. *f*

Mrb. *ff*

60 Tet TUTTI

con sordino

senza sordino

1/1

3

4

5

7

13

17

23

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

998

999

1000

196

Fl.

Ob.

B♭ Cl.

Bsn.

Adagio Molto
36 Tet BRASS Quartet

Hn.

C Tpt. 1

C Tpt. 2

Tbn.

36 Tet TUTTI

Vc.

Vib.

D. S.

Mrb.

Largo con moto

Milko

36tet

36tet

Fl. $\text{♩} = 36$ *a tempo* *multiphonic octave*

Ob.

B♭ Cl.

Bsn.

Hn.

48 Tet

48 Tet

C Tpt. 1 $\text{♩} = 64$ *a tempo* Senza sord.

C Tpt. 2

Tbn.

60 Tet

60 Tet

Vc. $\text{♩} = 53$ *a tempo*

Vib. $\text{♩} = 93$ *a tempo*

Xyl.

Mrb.

36 Tet TUTTI
Andantino
♩ = 106

Woodwinds:
 Fl. *mp* to *fff*
 Ob. *mp* to *fff*
 B♭ Cl. *mp* to *ff*
 Bsn. *mp* to *fff*
 Hn. *mp* to *fff*

Brass:
 C Tpt. 1 *mf* to *fff*
 C Tpt. 2 *mf* to *fff*
 Tbn. *mf* to *fff*

Strings & Percussion:
 Vc. *f* to *fff*
 Vib. *f* to *fff*
 Xyl. *f* to *fff*
 Mrb. *f* to *fff*

Other:
 Full Poly (Percussion) *ff* to *fff*

The score is written for a full orchestra and includes various musical notations such as dynamics (*mp*, *mf*, *f*, *ff*, *fff*), articulation (accents, slurs), and fingerings. The tempo is marked 'Andantino' with a quarter note equal to 106 beats per minute. The key signature is one sharp (F#).

48 Tet TUTTI

l'istesso tempo

Milko

214 5"

Fl. *p* +75 -75 3 -50 +25 +75 +75 *mp* 29 *fz* -50 3 +50 *fp* +25 *mf* 23 *p*

Ob. *p* +25 +75 -50 -25 -75

B♭ Cl. *p* +50 -50 *mp* *mf* *mp*

Bsn. *p* -50

Hn. *p*

243 *48 Tet TUTTI*

C Tpt. 1 *mp* +50 3 +25 *f* +25 +50 *p* +25 *f* +25 *mf* 3 *ff* 3 *rallentando*

C Tpt. 2 *mf* 1/1

Tbn. *mp* +50 3 +25 *f* +25 -50 *p* -25 *f*

Vc. 273 *mf* +25 3 -50 -75 +75 +25 *f* *mp* +50 *ff* 3 *mf* -50 +25 23 -75 +75 *ff* *mp*

325

Vib. *f* +14 -28 -42

Xyl. *f* +14 -28 -42

Mrb. *f* +14 -28 -42

[illegible]

Milko

54

36tet

Fl. *mf* *l'istesso tempo* 226 +33 3 3 +66 3 3 -33 3 3 *mf* 3 3 -66 3 3 +33 3

Ob. *mf* 3 3 -33 3 3 -33 3 3 -33 3 3 -66 3 3 +33 3

B♭ Cl. *mf* 1/1 3 3 -33 3 3 +66 3 3 *mf* 3 3 -33 3 3 3 3 3 3 3 3

Bsn. *mf* +66 3 3 3 -33 3 3 +33 3 3 -33 3 3

Hn. *mf* 3 3 +33 3 3 +33 3 3 -33 3 3 *mf* 3 3

48 Tet

C Tpt. 1 *mf* 255 +25

C Tpt. 2 *f* -25 1/1 *ff* -50

Tbn. *f* +50 *ff*

60 Tet

Vc. *mf* pentuplet = 92 285 -20 5 +20 5 +60 5 +40 5 -40 5

84 Tet

Vib. *mf* septuplet = 164 337 +14 +28 -28 -42 -84 +42 -14

Xyl. *mf* +56 -14 -56 -28 14 +14 +28

Mrb. *mf*

[illegible]

232

Fl. *f* +33 +66 -33 +66 -66 -33

Ob. *f* +33 +66 -33

B♭ Cl. *f* +99 +33 +66

Bsn. *f* -66 +33 -33 +33

Hn. *f* +66 +66 -66

C Tpt. 1 *mf* 263 +25 -25 +75 -50 +50 +50

C Tpt. 2 *fz* +75 -25 *f* +50 +25 +25 +50

Tbn. *mf* +25 -25 *fz* -25 *ff* -50 *sfz*

Vc. *mf* 295 +20 -20 +60 +60 -20 5 +20 -20 18 +20 +40 *ff*

Vib. 351 +14 -14 -28 -42 -70 +70

Xyl. *f* +28 -42 -28 -42 +56 +28 +56

Mrb. *f* +42 +28 +28 -70 +56

235

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt. 1

C Tpt. 2

Tbn.

Vc.

300

Vib.

Xyl.

Mrb.

358

